

WHAT IS CLAIMED IS:

1. An electro-optic device, comprising:
electrodes opposing each other;
plural types of luminescent layers emitting different colors of light and lying between the electrodes; and
an electron injection layer lying between the electrodes,
the electron injection layer including a plurality of metal compounds.
2. The electro-optic device according to Claim 1, the plurality of metal compounds principally containing at least one metal selected from the group consisting of alkali metals, alkaline earth metals, and rare earth metals.
3. The electro-optic device according to Claim 1, the plurality of metal compounds being mixed.
4. The electro-optic device according to Claim 1, the plurality of metal compounds being deposited on top of one another.
5. The electro-optic device according to Claim 4, the order to deposit the plurality of metal compounds being specified according to the chemical bonding forces of the metal compounds.
6. The electro-optic device according to Claim 4, the order to deposit the plurality of metal compounds being specified according to the valences of the metal elements of the metal compounds.
7. The electro-optic device according to Claim 4, the order to deposit the plurality of metal compounds being specified according to the ionic radiuses of the metal ions of the metal compounds.
8. The electro-optic device according to Claim 4, the order to deposit the plurality of metal compounds being specified according to the work functions of the metal elements of the metal compounds.
9. The electro-optic device according to Claim 1, one of the opposing electrodes being in contact with the electron injection layer and containing a metal reducing the metal compounds.
10. A method to manufacture an electro-optic device including plural types of luminescent layers emitting different colors of light, an electron injection layer, and a cathode,
the method comprising the electron injection layer of a plurality of metal compounds.

11. The method to manufacture the electro-optic device, according to Claim 10, the plurality of metal compounds being mixed in the forming of the electron injection layer.
12. The method to manufacture the electro-optic device, according to Claim 11, the plurality of metal compounds being deposited on top of one another, in the forming of the electron injection layer.
13. The method to manufacture the electro-optic device, according to Claim 12, the plurality of metal compounds being deposited in order specified according to the chemical bonding forces, in the forming of the electron injection layer.
14. The method to manufacture the electro-optic device, according to Claim 12, the plurality of metal compounds being deposited in order specified according to the valences of the metal elements, in the forming of the electron injection layer.
15. The method to manufacture the electro-optic device, according to Claim 12, the plurality of metal compounds being deposited in order specified according to the ionic radiuses of the metal ions, in the forming of the electron injection layer.
16. The method to manufacture the electro-optic device, according to Claim 12, wherein the plurality of metal compounds being deposited in order specified according to the work functions of the metalelements, in the forming of the electron injection layer.
17. The method to manufacture the electro-optic device, according to Claim 10, the method further comprising forming the cathode of a metal reducing the metal compounds.
18. An electronic apparatus including an electro-optic device as set forth in Claim 1.